



## Material Safety Data Sheet- Carb-O-Sorb™/Calcium Hydroxide

### 1. Product and Manufacturer Identification

Product Name: Carb-O-Sorb™

Manufacturer:

Simple Solutions Dist. LLC  
6 Jacobs Road  
West Milford NJ, 07480  
(973)-846-7817

Product Information: (973)-846-7817

24- Hour Chemtrec emergency Number:  
U.S.: (800)- 424-9300  
International: (703)- 527-3887

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### 2. Chemical Composition and Exposure Limits

Component(s)	CAS Number	OSHA PEL	ACGIH TLV
Calcium Hydroxide	1305-62-0	15mg/m <sup>3</sup> (Total Dust)	5mg/m <sup>3</sup>

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### 3. HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

**Routes of Exposure:** Eye and skin contact, inhalation and ingestion.

**Eye Contact:** May result in corneal injury. Direct contact eye contact may cause permanent damage.

**Skin Contact:** Prolonged contact may irritate or burn skin especially in presence of moisture.

**Inhalation:** May cause sore throat, cough, and burning sensation.

**Ingestion:** Burning sensation, abdominal pain, cramps and vomiting

**Chronic Health Effects:** Repeated or prolonged contact with skin may cause dermatitis.

**Carcinogen status:** NTP: No, IARC: No, OSHA: No



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## Carb-O-Sorb<sup>TM</sup>/Calcium Hydroxide

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### 4. FIRST AID MEASURES

**Skin:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. Do NOT use mouth-to-mouth respiration; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or similar device. If breathing is difficult, give oxygen. Get medical aid.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Do NOT allow victim to rub or keep eyes closed. Get medical aid.

**Ingestion: DO NOT induce vomiting.** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

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### 5. Fire- Fighting Measures

This chemical is not flammable, combustible, or explosive. The chemical may be exposed to water, carbon dioxide, dry chemical and foam- extinguishing agents as necessary during fire-fighting operations. During a fire, irritating and highly toxic gasses may be generated by thermal decomposition or combustion.

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### 6. Accidental Release Measures

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions, provide adequate ventilation.

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### 7. HANDLING AND STORAGE

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Work clothing that becomes wet or significantly contaminated should be removed and replaced.

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**Carb-O-Sorb™/Calcium Hydroxide**

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Use Adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Respiratory Protection:** Use NIOSH approved respirator when use is necessary.

**Skin Protection:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Eye Protection:** Wear appropriate protective glasses or chemical safety goggles.

**Other Protective Equipment:** Wear appropriate protective clothing to minimize contact with skin.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Color/Appearance:** White Powder or Granule

**Odor:** None

**Molecular Weight:** 74.1

**Boiling Point:** 5162<sup>0</sup> F (CaO)

**Melting Point:** 1076<sup>0</sup> F

**Specific Gravity:** 2.2

**Vapor Pressure:** No Data

**Solubility in Water:** .185% @ 0<sup>0</sup> C; .077% @ 100<sup>0</sup> C

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## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal temperatures and pressures. Readily adsorbs carbon dioxide from air forming calcium carbonate.

**Hazardous Polymerization:** Will not occur.

**Incompatibility:** Phosphorus, Maleic anhydride, nitroethane, nitromethane,

**Decomposition Products:** Oxides of calcium.

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## 11. STABILITY AND REACTIVITY

### Ca(OH)<sub>2</sub>

Oral mouse, LD<sub>50</sub>: 7340 mg/kg

Oral Rat, LD<sub>50</sub>: 7300 mg/kg

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### 12. ECOLOGICAL INFORMATION

Aquatic fate: aquatic toxicity is the function of an alkalinity effect. Addition of lime to soft water lakes has increased biological activity, possibly by providing a carbon dioxide reservoir. Calcium hydroxide does not degrade oxidatively; it is neutralized by absorption of atmospheric carbon dioxide. Calcium hydroxide shows no bioaccumulation or food chain concentration toxicity potential.

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### 13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable local, state, and federal regulations.

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### 14. TRANSPORT INFORMATION

Not regulated by the DOT

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### 15. REGULATION INFORMATION

**TSCA:** Listed in the TSCA inventory.  
**SARA (Title 313):** Not subject to reporting requirements.  
**CERCLA RQ:** None.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200

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### 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Simple Solutions LLC makes no warranty with respect hereto and disclaims all liability from reliance thereon. The information is intended for use by persons with professional knowledge of the subject matter or with access to such persons. Persons receiving this information are urged to conduct their own assessment of the suitability and completeness of the information for particular application.

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